

MAHLE



Oil service

Service equipment, expertise,
and transmission oil filters

MAHLE

FluidPRO

Transmission oil service made easy

MAHLE delivers a complete range for professional automatic transmission oil servicing: flushing units for an efficient service, in-depth training for service professionals, and a comprehensive range of transmission oil filters in original equipment quality.

MAHLE FluidPRO®

The FluidPRO® ATX 250/280 transmission flushing unit performs the dynamic oil change fully automatically—without the need for any manual intervention.

The FluidPRO® ATX 250/280 replaces up to 100% of the oil in just a single cycle. But the unit also boasts countless other beneficial features, including a service time of just 5 to 10 minutes and numerous adapter sets covering around 90% of commercially available automatic transmissions.

MAHLE transmission oil filters

Our transmission oil filters remove abrasions from the transmission and provide effective protection against damage. MAHLE already offers suitable solutions for many popular car brands and vehicle types. And our range will continue to expand in the future.



Good to know: You'll find information about filters in the MAHLE e-shop or online at catalog.mahle-aftermarket.com. More information about the transmission flushing unit FluidPRO® ATX 250/280 is available at servicesolutions.mahle.com.



For a longer transmission life

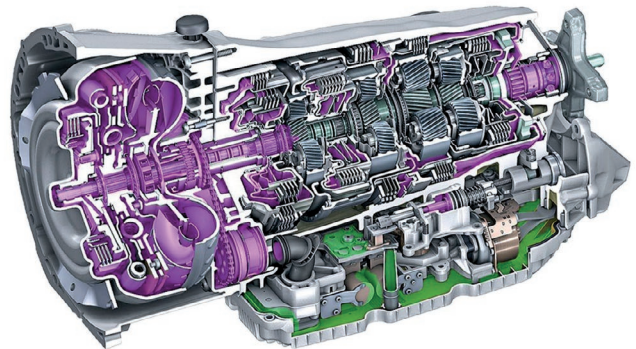
Just like all operating media in the vehicle, the transmission oil is subject to aging and wear. At extremely high temperatures—caused by sporty driving or towing a trailer, for example—automatic transmission oil can age faster than under normal conditions. To prolong the life of increasingly complex automatic transmissions and ensure they operate smoothly, many vehicle manufacturers are changing their guidelines on transmission oil—moving away from a strategy of filling it so that it lasts the entire service life toward changing it regularly or as needed.



Simply better: dynamic oil change

In a conventional, or static, oil change, approximately 30% to 50% of transmission oil is replaced, and new oil is mixed with old oil in the process. By contrast, up to 100% of the oil is replaced in a dynamic transmission oil change performed with the FluidPRO® ATX 250/280 flushing unit.

Comparison of oil change methods



■ Static oil change

■+■ Dynamic oil change



- Nearly 90% of all automatic transmissions on the market are compatible with the MAHLE FluidPRO® ATX 250/280.
- 90% to 100% of the oil is replaced in a dynamic oil change.
- 25% of the newly registered vehicles in the EU already have an automatic transmission—and the numbers are increasing.
- Changing the transmission oil every 60,000 km or every 4 years prolongs the service life of complex automatic transmissions and ensures optimal shifting behavior.

Benefits for motorists:

- Avoids transmission repair costs
- Significantly improves transmission shifting performance
- Eliminates minor transmission malfunctions (such as jerking or poor start-up behavior)
- Extends transmission mileage

Overview of transmission oil filter product range

Part number	Vehicle manufacturer	Model	Available
HX 46	Mercedes-Benz	124 saloon (W124), 190 (W201), C-Class (W202)	x
HX 46D1	Mercedes-Benz	124 saloon (W124), 190 (W201), C-Class (W202)	x
HX 46D2	Mercedes-Benz	124 saloon (W124), 190 (W201), C-Class (W202)	x
HX 48	Mercedes-Benz	E-Class (W124), E-Class (W210), SL (R129)	x
HX 81D	Mercedes-Benz	C-Class (W202), C-Class (W203), Sprinter 3.5 t van (B906)	x
HX 82D	Volkswagen	Golf II (19E, 1G1), Jetta II (19E, 1G2, 165), Transporter IV Platform/Chassis (70E, 70L, 70M, 7DE, 7DL, 7D)	x
HX 84D	Audi/Volkswagen	A4 (B6) Avant (8E5), Passat B5.5 (3B3), Passat B5.5 variant (3B6)	x
HX 85D	Audi	100 C4 saloon (4A2), A6 (C4) (4A2), A6 (C4) Avant (4A5)	x
HX 87D	BMW	5 (E34), 7 (E32), 8 (E31)	x
HX 88D	BMW	3 (E30), 3 (E36), 5 (E34)	x
HX 124D	Mercedes-Benz	C-Class (W203), C-Class (W205), Sprinter 3.5 t van (B906)	x
HX 132D	Volkswagen	Golf V (1K1), Passat B8 variant (3G5, CB5), Touran (1T1, 1T2)	x
HX 139D	Volkswagen	Tiguan (5N), Tiguan (AD1, AX1), Transporter V bus (7HB, 7HJ, 7EB, 7EJ, 7EF, 7EG, 7HF, 7EC)	x
HX 147KIT	Seat/Volkswagen	Ibiza III (6L1), Golf IV (1J1), Polo (6N2)	x
HX 147KIT1	Seat/Škoda/Volkswagen	Ibiza II (6K1), Octavia I (1U2), Golf IV (1J1)	x
HX 148D	Citroën/Peugeot	C3 I (FC, FN), 206 Hatchback (2A/C), 208 I (CA, CC)	x
HX 149D	Ford	Fiesta VI (CB1, CCN), Focus I (DAW, DBW), Focus II (DA, HCP, DP)	x
HX 150KIT	Volkswagen	Golf V (1K1), Polo (9N), Touran (1T1, 1T2)	x
HX 151KIT	Ford/Renault	Focus II (DA, HCP, DP), Focus II saloon (DB, FCH, DH), Kadjar (HA, HL)	x
HX 152	BMW ALPINA	B3 (E90), B5	x
HX 153D	Ford	Focus II (DA, HCP, DP), Focus II saloon (DB, FCH, DH), Focus II Turnier (DA, FFS, DS)	x
HX 154	BMW	1 (E87), 3 (E90)	x
HX 155	Audi	A4 (B8) (8K2), A4 (B8) Avant (8K5), A6 (C7) (4G2, 4GC)	x
HX 156	Hyundai/Kia	ix35 (LM, EL, ELH), Tucson (JM), Sportage III (SL)	x
HX 157D	Opel	Astra H (A04), Corsa C (X01), Corsa D (S07)	x
HX 158D	Mercedes-Benz	A-Class (W169), B-Class Sports Tourer (W245)	x
HX 159KIT	BMW	3 (E46), X3 (E83), Z3 Roadster (E36)	x
HX 160KIT	Audi/Porsche/Volkswagen	Q7 (4LB), Cayenne (9PA), Touareg (7LA, 7L6, 7L7)	x
HX 162D	BMW	7 (E65, E66, E67), X3 (E83), X5 (E53)	x
HX 163KIT	BMW	3 (E36), 5 (E39), X5 (E53)	x
HX 164D	Audi	A6 (C6) (4F2), A6 (C6) Avant (4F5), A8 (D3) (4E2, 4E8)	x
HX 164D1	Audi	A6 (C6) (4F2), A6 (C6) Avant (4F5), A8 (D3) (4E2, 4E8)	x
HX 165KIT	BMW	3 (E46), 5 (E39), X3 (E83)	x

Part number	Vehicle manufacturer	Model	Available
HX 166D	Opel	Astra G Hatchback (T98), Vectra B (J96), Zafira A MPV (T98)	x
HX 167D	Audi/Seat	A4 (B7) Avant (8ED), A6 (C6) Avant (4F5), Exeo ST (3R5)	x
HX 168D	Audi	A4 (B6) convertible (8H7), A6 (C5) (4B2), A6 (C5) Avant (4B5)	x
HX 169KIT	Mini	Clubman (R55), Countryman (R60), Mini (R56)	x
HX 184 KIT	BMW	1 (F20), 2 (F45), Z4 (E89)	x
HX 185D	Audi/Porsche	A6 (C7) Avant (4GS, 4GD), Q5 (8RB), Macan (95B)	x
HX 186D	Audi/Porsche	A6 (C7) Avant (4GS, 4GD), Q5 (8RB), Macan (95B)	x
HX 187KIT	Audi/Porsche/Volkswagen	Q7 (4LB), Panamera (970), Touareg (7P5, 7P6)	x
HX 188	Opel/Renault/Volvo	Vectra C (Z02), Espace IV (JK0/1), V70 II (285)	x
HX 189KIT	Audi	A6 (C7) Avant (4G5, 4GD), A7 Sportback (4GA, 4GF), Q5 (8RB)	x
HX 192D	Audi	A4 (B8) Avant (8K5), A5 Sportback (8TA), A6 (C7) (4G2, 4GC)	x
HX 193D	Mazda	3 (BM, BN), CX-3 (DK), CX-5 (KF)	x

Part number	Vehicle manufacturer	Model	In preparation*
HX 158D1	Mercedes-Benz	A-Class (W169), B-Class Sports Tourer (W245)	x
HX 161D	Mercedes-Benz	A-Class (W176), B-Class Sports Tourer (W246), GLA-Class (X156)	x
HX 190D	Audi/Škoda/Volkswagen	A3 Sportback (8VA, 8VF), Octavia II combi (5E5, 5E6), Passat B8 variant (3G5, CB5)	x
HX 191	Škoda/Volkswagen	Yeti (5L), Polo V (6R1, 6C1)	x
HX 196 KIT	Mercedes-Benz	C-Class, GLC-Class, S-Class	x
HX 230 KIT	Mercedes-Benz	C-Class (W205), GLK-Class (X204), M-Class (W164)	x
HX 232 D	Mercedes-Benz	A-Class (W176), B-Class Sports Tourer (W246), GLA-Class (X156)	x
HX 233D	Audi	A4 (B8) (8K2), A4 (B8) Avant (8K5), A5 (8T3)	x
HX 234D	Toyota	Camry saloon (V5), RAV4 IV (A4)	x
HX 235D	Audi	A6 (C6) (4F2), A6 (C6) Avant (4F5), A8 (D3) (4E2, 4E8)	x
HX 235D1	Audi	A6 (C6) (4F2), A6 (C6) Avant (4F5), A8 (D3) (4E2, 4E8)	x
HX 236D	Volkswagen	Passat CC (B6) (357), Tiguan (5N_)	x
HX 237D	Lexus/Toyota	RX (_U3_), Avensis estate (_T25_), Camry saloon (_V4_)	x
HX 238D	Citroën/Peugeot	C5 I (DC_), 407 (6D_), 407 SW (6E_)	x
HX 239D	BMW	5 (E39), 3 (E46)	x
HX 240D	BMW	1 (E87), 3 (E90), X1 (E84)	x
HX 244	Hyundai/Kia	Accent IV saloon (RB), i20 I (PB, PBT), Rio III saloon (UB)	x
HX 246D	Hyundai/Kia	Accent III saloon (MC), Getz (TB), Rio II (JB)	x
HX 254D	Hyundai/Kia	Accent IV saloon (RB), Tucson (TL, TLE), Rio III saloon (UB)	x
HX 255	Audi/Volkswagen	Q5 (FYB, FYG), Q7 (4MB, 4MG), Touareg (CR7)	x
HX 256D	Škoda/Volkswagen	Octavia II (1Z3), Golf V (1K1), Touran (1T1, 1T2)	x
HX 258D	Audi	A4 (B9) Avant (8W5, 8WD), A6 (C7) Avant (4G5, 4GD), Q5 (8RB)	x

* As at December 2021



MAHLE Insider

MAHLE Aftermarket GmbH
Pragstraße 26–46
70376 Stuttgart/Germany
Phone: +49 711 501-0

www.mahle-aftermarket.com
www.mpulse.mahle.com